2015 Financial Assurance Estimate Form (with pre-plat construction)

3/17/2015

Project Information	
Windingwalk Filing 1 at Meridian Ranch	**12/12/2017**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	**Quantity**	**Units**		**Price**			**% Complet**	**Remaining**	
Earthwork*	459,000.000	CY	@	$ 5	=	$ 2,295,000		$ 2,295,000	*
Permanent Seeding*	163.900	AC	@	$ 582	=	$ 95,390		$ 95,390	*
Mulching*	163.900	AC	@	$ 507	=	$ 83,097		$ 83,097	*
Permanent Erosion Control Blanket*		SY	@	$ 6	=	$		$ -	*
Temporary Erosion Control Blanket	15,495.000	SY	@	$ 3		$ 46,485		$ 46,485	
Vehicle Tracking Control	1.000	EA	@	$ 1,625	=	$ 1,625		$ 1,625	
Safety Fence		LF	@	$ 3	=	$		$ -	
Silt Fence	6,811.000	LF	@	$ 4	=	$ 27,244		$ 27,244	
Temporary Seeding		AC	@	$ 485	=	$		$ -	
Temporary Mulch		AC	@	$ 507				$ -	
Erosion Bales	871.000	EA	@	$ 21				$ 18,291	
Erosion Logs	1,328.000	LF	@	$ 6				$ 7,968	
Rip Rap, d50 Size from 6" to 24"	1,218.000	CY	@	$ 98				$ 119,364	*
Rock Ditch Checks		EA	@	$				$ -	
Inlet Protection	26.000	EA	@	$ 153	=	$ 3,978		$ 3,978	
Sediment Basin		EA	@	$ 1,625	=	$		$ -	
Concrete Washout Basin	1.000	EA	@	$ 776	=	$ 776		$ 776	
Detention Basin Outlet Structures	3.000		@	$ 10,000	=	$ 30,000		$ 30,000	
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.				**Section 1 Subtotal**	=	$ 2,729,218		$ 2,729,218	

added the 6 remaining temporary sedimentation ponds back into the form

Provide a cost. Proposed restriping of Stapleton will require traffic control.

Section 2 - Public Improvements**	**Quantity**	**Units**		**Price**			**% Complet**	**Remaining**	
- Roadway Improvements									
Construction Traffic Control		LS						$ -	*
Aggregate Base Course (8" @ 150 lbs/cu.ft.)	29,715.0	Tons	@	$		added		$ 534,870	*
Asphalt Pavement (3" @ 145 lbs/cu.ft.)	10,772.0	Tons	@	$ 65	=	$ 700,180		$ 700,180	*
Raised Median, Paved		SF	@	$ 7	=	$		$ -	*
Electrical Conduit, Size =		LF	@	$ 14	=	$		$ -	*
Traffic Signal, complete intersection		EA	@	$ 250,000	=	$		$ -	*
Regulatory Sign	21.0	EA	@	$ 100	=	$ 2,100		$ 2,100	*
Advisory Sign	9.0	EA	@	$ 100	=	$ 900		$ 900	*
Guide/Street Name Sign	19.0	EA	@	$ 100		$ 1,900		$ 1,900	*
Epoxy Pavement Marking	5,702.0	SF	@	$ 12	=	$ 68,424		$ 68,424	*
Thermoplastic Pavement Marking	72.0	SF	@	$ 22	=	$ 1,584		$ 1,584	*
Barricade - Type 3	8.0	EA	@	$ 115	=	$ 920		$ 920	*
Delineator (Type I)		EA	@	$ 21	=	$		$ -	*
Curb and Gutter, Type C (Ramp)	19,734.0	LF	@	$ 21	=	$ 414,414		$ 414,414	*
Curb and Gutter, Type A (6" Vertical)	14,150.0	LF	@	$ 16	=	$ 226,400		$ 226,400	*
Curb and Gutter, Type B (Median)		LF	@	$ 13	=	$		$ -	*
5' Pedestrian Ramp	439.0	SY	@	$ 108	=	$ 47,412		$ 47,412	*
6' Pedestrian Ramp	320.0	SY	@	$ 108	=	$ 34,560		$ 34,560	*
Mid Block Pedestrian Ramp	135.0	SY	@	$ 108	=	$ 14,580		$ 14,580	*

Cross Pan	236.0	SY	@	$	53	=	$	12,508	$	12,508 *
Curb Chase		EA	@	$	1,300	=	$		$	- *
- Storm Drain Improvements										
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	$		=	$		$	- *
Reinforced Concrete Pipe (RCP) Size		LF	@	$		=	$		$	- *
18" Reinforced Concrete Pipe	1,600.0	LF	@	$	69	=	$	110,400	$	110,400 *
24" Reinforced Concrete Pipe	1,310.0	LF	@	$	84	=	$	110,040	$	110,040 *
30" Reinforced Concrete Pipe	1,215.0	LF	@	$	94	=	$	114,210	$	114,210 *
36" Reinforced Concrete Pipe	902.0	LF	@	$	124	=	$	111,848	$	111,848 *
42" Reinforced Concrete Pipe(62' from grading)	1,309.0	LF	@	$	134	=	$	175,406	$	175,406 *
48" Reinforced Concrete Pipe	1,277.0	LF	@	$	178	=	$	227,306	$	227,306 *
Flared End Section (FES) RCP(1) from grading	3.0	EA	@	$	650	=	$	1,950	$	1,950 *
End Treatment - Cutoff Wall		EA	@	$	1,000	=	$		$	- *
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	$	3,791	=	$		$	- *
Curb Inlet (Type R) L=5', 5'-10' Depth	3.0	EA	@	$	5,044		$	15,132	$	15,132 *
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	$	6,027	=	$		$	- *
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	$	5,528	=	$		$	- *
Curb Inlet (Type R) L =10' , 5'-10' Depth	12.0	EA	@	$	6,694	=	$	80,328	$	80,328 *
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	$	7,500	=	$		$	- *
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	$	7,923	=	$		$	- *
Curb Inlet (Type R) L =15' , 5'-10' Depth	7.0	EA	@	$	8,000	=	$	56,000	$	56,000 *
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	$	8,800	=	$		$	- *
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	$	8,000	=	$		$	- *
Curb Inlet (Type R) L =20' , 5'-10' Depth	4.0	EA	@	$	8,830	=	$	35,320	$	35,320 *
Curb Inlet (Type R) L =_____', __' - __' Depth		EA	@	$		=	$		$	- *
Curb Inlet (Type R) L =_____', __' - __' Depth		EA	@	$		=	$		$	- *
Grated Inlet (Type C), < 5' deep	4.0	EA	@	$	3,270	=	$	13,080	$	13,080 *
Temp. CMP Inlet	1.0	EA	@	$	2,800	=	$	2,800	$	2,800 *
Storm Sewer Manhole, Box Base, Depth < 15 feet	6.0	EA	@	$	8,592	=	$	51,552	$	51,552 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	23.0	EA	@	$	4,575	=	$	105,225	$	105,225 *
Geotextile (Erosion Control)		SY	@	$	5	=	$		$	- *
Rip Rap, d50 Size from 6" to 24"	42.9	CY	@	$	98	=	$	4,204	$	4,204 *
Rip Rap, Grouted		CY	@	$	215	=	$		$	- *
Drainage Channel Construction, Size (W x H)		LF	@	$		=	$		$	- *
Channel Lining, Concrete		CY	@	$	450	=	$		$	- *
Channel Lining, Rip Rap		CY	@	$	98	=	$		$	- *
Channel Lining, Grass		AC	@	$	1,287	=	$		$	- *
Channel Lining, Other Stabilization		SY	@	$	3	=	$		$	- *
Detention Outlet Structure		EA	@	$		=	$		$	- *
Detention Emergency Spillway		EA	@	$		=	$		$	- *
Permanent Water Quality Facility (Describe)		EA	@	$		=	$		$	- *
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. ┼ For flared end sections, multiply pipe LF cost by 6				**Section 2 Subtotal**		=	$	3,275,553	$	3,275,553 **

Add the sub-regional pond. Cost must equal either the engineer's estimate or the DBPS cost estimate listed in the FDR, whichever is lesser.

The costs of the detention pond are rolled up in the grading section. Reduced quantities appropriately in the grading and then created a lump sum figure for the detention pond.

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price			% Complet	Remaining
- Roadway Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
Concrete Sidewalk (5')	13,289.0	SY	@	$ 38	=	$ 504,982		$ 504,982
Concrete Sidewalk (6')	8,756.0	SY	@	$ 38	=	$ 332,728		$ 332,728
			@	$	=	$		$ -
			@	$	=	$		$ -
- Storm Drain Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- Water System Improvements								
Water Main Pipe (PVC), Size 8"	13,156.0	LF	@	$ 94	=	$ 1,236,664		$ 1,236,664
Water Main Pipe (PVC), Size 10"	2,065.0	LF	@	$ 105	=	$ 216,825		$ 216,825
Water Main Pipe (PVC), Size 12"	1,309.0	LF	@	$ 115	=	$ 150,535		$ 150,535
Raw Water Main Pipe (PVC), Size 12"		LF	@	$ 115	=	$		$ -
Raw Water Main Pipe (PVC), Size 6"		LF	@	$ 89	=	$		$ -
Gate Valves, 8"	44.0	EA	@	$ 1,852	=	$ 81,488		$ 81,488
Gate Valves, 10"	8.0	EA	@	$ 1,925	=	$ 15,400		$ 15,400
Gate Valves, 12"	3.0	EA	@	$ 2,000	=	$ 6,000		$ 6,000
Butterfly Valves, 14"		EA	@	$ 2,100	=	$		$ -
Fire Hydrant Assembly w/ all valves	38.0	EA	@	$ 6,430	=	$ 244,340		$ 244,340
Water Service Line Installation, including tap and valves	369.0	EA	@	$ 1,253	=	$ 462,357		$ 462,357
Pump Station, complete		EA	@	$ 50,000	=	$		$ -
Air/Vac Valve & Vault, complete		EA	@	$ 3,500	=	$		$ -
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"	15,722.0	LF	@	$ 94	=	$ 1,477,868		$ 1,477,868
Sanitary Sewer Manhole, Depth < 15 feet	50.0	EA	@	$ 4,575	=	$ 228,750		$ 228,750
Sanitary Service Line Installation, complete	360.0	EA	@	$ 1,516	=	$ 545,760		$ 545,760
Sewer Main Pipe (PVC), Size 15"		LF	@	$ 96	=	$		$ -
- Landscaping (If Applicable)								
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	$	=	$		$ -
		EA	@	$	=	$		
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
***items in this section are not subject to defect warranty financial assurance				**Section 3 Subtotal**	=	$ 5,503,697		$ 5,503,697

Financial Assurance Totals		
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**	$	$1,000
(Inc. survey to verify detention pond volumes.)	**Total Construction Financial Assurance**	**$11,509,468**
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	**$11,509,468**
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	**$1,149,808**
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)	

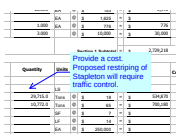
Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

THOMAS A. KERBY, PE		31429	Date
Engineer	(P.E. Seal)		
RAUL GUZMAN	VICE PRESIDENT		Date
Approved by Owner / Applicant			
Approved by El Paso Couny Engineer / ECM Administrator			Date

Markup Summary

dsdlaforce (2)



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Provide a cost. Proposed restriping of Stapleton will require traffic control.

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Add the sub-regional pond. Cost must equal either the engineer's estimate or the DBPS cost estimate listed in the FDR, whichever is lesser.